1858MNRAS..19...45M

Dec. 9. A few glimpses only obtainable through cloud; the observations very doubtful.
14. Much interrupted by cloud.
15. Cirrous haze in the west; the comet barely visible when taking the second set of transits.
20. Clear and calm, but the moonlight nearly obliterates the comet; it is detected with great difficulty.
21. Clear, but the comet barely visible, owing to moonlight.
22. Clouded; the few observations obtained this evening are very indifferent.
24. The faintest trace of the comet visible; after the last observation it was no longer seen.

1858.
Jan. 4. The comet is now remarkably faint, but the atmospheric circumstances are favourable, and the observations on the whole satisfactory.
5. Violent S. wind, the chronometer beat heard with difficulty; the second set of transits doubtful; further observations impracticable.
7. Much annoyed by cloud; the comet barely visible when the N.P.D. measures were taken.
10. The comet almost too faint for work; the second set of differences in R.A. very doubtful.
12 to 18. The comet of the last degree of faintness, and the observations in consequence very difficult.

Royal Observatory, Cape of Good Hope,
Oct. 6, 1858."

Mean R.A. and N.P.D. of the Stars compared with D'Arrest's Comet, 1857, 1858, *and Apparent Places for the Day of Observation.* By T. Maclear, Esq.

No. of Star.	Mag.	Mean R.A. 1858·0.	Annual Precession.	No. of Obs.	Mean N.P.D. 1858·0.	Annual Precession.	No. of Obs.
		h m s	s		° ′ ″	″	
1	9	19 52 2·42	+3·529	4	111 14 25·88	− 9·42	5
2	10½	20 0 14·90	·520	4	111 14 21·78	10·05	4
3	10	20 3 58·36	·514	3	111 8 54·06	10·33	3
4	11	20 9 2·65	·511	3	111 16 4·72	10·71	3
5	9	20 13 15·56	·504	3	111 10 51·87	11·02	3
6	9½	20 30 25·49	·473	4	110 49 25·19	12·24	3
7	8½	20 34 54·22	·465	3	110 43 47·94	12·55	3
8	11½	20 48 42·31	·440	3	110 26 53·23	13·46	4
9	9½	20 48 55·58	·435	4	110 11 38·58	13·48	4
10	8½	20 57 43·55	·419	3	110 2 37·26	14·04	4
11	10	21 1 15·39	·411	3	109 54 16·78	14·26	3
12	11½	21 5 54·37	·400	3	109 42 1·69	14·54	4
13	7	21 13 45·36	·382	3	109 20 6·11	15·01	3
14	9	22 0 22·87	·279	3	107 22 54·10	17·38	3
15	8	22 5 23·40	+3·271	3	107 19 17·52	−17·60	3

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1858MNRAS..19...49.

No. of Star.	Mag.	Mean R.A. 1858·0.	Annual Precession.	No. of Obs.	Mean N.P.D. 1858·0.	Annual Precession.	No. of Obs.
		h m s	s		° ′ ″	″	
16	10	22 12 22·23	+3·251	4	106 35 59·17	−17·88	4
17	10	22 23 31·77	·227	4	105 57 33·47	18·30	4
18	9	22 31 9·85	·221	3	105 32 59·02	18·57	4
19	7	22 36 43·56	·201	4	105 21 18·58	18·75	4
20	7	22 42 52·29	·187	4	104 48 32·78	18·93	4
21	7½	22 47 52·98	·178	3	104 29 45·86	19·07	3
22	11	22 51 12·86	·171	4	104 13 31·53	19·16	3
23	9½	22 54 11·69	+3·164	3	103 49 44·08	−19·23	3

No. of Star.	Apparent Places. R.A.	Apparent Places. N.P.D.	No. of Star.	Apparent Places. R.A.	Apparent Places. N.P.D.
	h m s	° ′ ″		h m s	° ′ ″
1	19 52 1·31	111 14 36·77	13	21 13 44·61	109 20 16·52
2	20 0 13·83	111 14 32·74	14	22 0 22·30	107 23 3·43
3	20 3 57·30	111 9 5·02	15	22 5 22·85	107 19 26·74
4	20 9 1·62	111 16 15·74	16	22 12 21·70	106 36 8·09
5	20 13 14·54	111 11 2·89	17	22 23 31·27	105 57 42·01
6	20 30 24·55	110 49 36·15	18	22 31 9·38	105 33 7·30
7	20 34 53·30	110 43 58·88	19	22 36 43·11	105 21 26·69
8	20 48 41·45	110 27 4·06	20	22 42 51·86	104 48 40·61
9	20 48 54·72	110 11 49·35	21	22 47 52·56	104 29 53·50
10	20 57 42·73	110 2 47·96	22	22 51 12·45	104 13 39·03
11	21 1 14·58	109 54 27·43	23	22 54 11·29	103 49 51·41
12	21 5 53·58	109 42 12·25			

The above places are deduced from observations made with the transit circle.

Results of Observations of Small Planets, made with the Transit Circle, at the Royal Observatory, Greenwich, during the month of November 1858.

(*Communicated by the Astronomer Royal.*)

Egeria ⑬.

Mean Solar Time of Observation.		Apparent R.A.	Apparent N.P.D.
	h m s	h m s	° ′ ″
1858, Nov. 11	8 40 45·6	0 3 32·59	102 6 54·76
12	8 36 (25)	...	101 59 36·82
18	8 11 44·3	0 2 2·41	101 12 49·48
22	7 59 40·1	0 1 45·88	100 39 11·69

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